

In the Claims

Claim 1 (Withdrawn): A method for inhibiting process formation and extension by process-forming cells in culture, said method comprising culturing one or more process-forming cells under conditions that are inhibitory to the formation or extension of cell processes.

Claim 2 (Withdrawn): The method of claim 1, wherein said culturing comprises growing the process-forming cells in culture that contains no cell attachment factors that would promote adhesion of the process-forming cells to a solid substrate.

Claim 3 (Withdrawn): The method of claim 1, wherein said culturing comprises growing the process-forming cells on a solid substrate that has not been treated to promote cell attachment and lacks cell attachment factors that would promote adhesion of the process-forming cells thereto.

Claims 4-7 (Cancelled)

Claim 8 (Withdrawn): The method of claim 1, wherein said culturing is carried out under low calcium or calcium-free conditions.

Claims 9-14 (Cancelled)

Claim 15 (Withdrawn): The method of claim 1, wherein said method further comprises removing the process-forming cells from the culture and associating the process-forming cells with a pharmaceutically acceptable carrier.

Claims 16-17 (Cancelled)

Claim 18 (Original): A cell culture comprising one or more process-forming cells in the absence of cell attachment treatments or cell attachment factors.

Claim 19 (Original): The cell culture of claim 18, wherein said cell culture is free of calcium or contains a low concentration of calcium.

Claim 20 (Original): The cell culture of claim 18, wherein said cell culture further comprises a solid substrate supporting the processing-forming cells, wherein there is substantially no attachment of said process-forming cells to said substrate, and wherein said cell culture has a calcium concentration of 100 μ M or less.

Claim 21 (New): The cell culture of claim 18, wherein said cell culture further comprises a solid substrate supporting said process-forming cells, and wherein said solid substrate has not been treated to promote cell attachment and lacks cell attachment factors that would promote adhesion of the process-forming cells thereto.

Claim 22 (New): The cell culture of claim 21, wherein said solid substrate is a culture vessel selected from the group consisting of a Petri dish, flask, bottle, plate, tube, and vial.

Claim 23 (New): The cell culture of claim 21, wherein said solid substrate comprises untreated plastic.

Claim 24 (New): The cell culture of claim 21, wherein said solid substrate is a microbiological plate.

Claim 25 (New): The cell culture of claim 18, wherein there is substantially no attachment of said process-forming cells to said solid substrate.

Claim 26 (New): The cell culture of claim 18, wherein said cell culture has a calcium concentration of 50 μ m or less.

Claim 27 (New): The cell culture of claim 18, wherein said process-forming cells are selected from the group consisting of glial cells, muscle cells, connective tissue cells, and endothelial cells.

Claim 28 (New): The cell culture of claim 18, wherein said process-forming cells comprise neurons.

Claim 29 (New): The cell culture of claim 18, wherein said process-forming cells are clustered, forming three-dimensional aggregates.

Claim 30 (New): The cell culture of claim 18, wherein said cell culture comprises two or more types of said process-forming cells.

Claim 31 (New): The cell culture of claim 18, further comprising non-process-forming cells.

Claim 32 (New): A method for producing the cell culture of claim 18, comprising culturing said one or more process-forming cells in the absence of cell attachment treatments or cell attachment factors.